



Cuyahoga County
Public Library

INNOVATION CENTERS

at Cuyahoga County Public Library

The Innovation Centers at Cuyahoga County Public Library are creative, collaborative and educational spaces that provide access to advanced software, emerging technologies and production equipment. There is no charge to use the equipment in the Innovation Centers; however, users are responsible for the costs of consumable materials.

Orientations are required before using the space. Users must be 18 and over.

Resource guides are available, as well as classes to learn how to operate machinery and create in the Innovation Centers.

LAB COMPUTERS & SOFTWARE

Computers vary by location. PC and Mac computers are available.

Software selection includes Office 2019, Adobe Creative Suite (Illustrator, Photoshop, Premiere, Dreamweaver and more), Roland CutStudio, VCarve Pro, MakerBot Desktop, Sketchup 2016, ShopBot, CorelDRAW, Inkscape, Cricut Design Space for Desktop, iMovie and GarageBand, and Floriani Embroidery Digitization.

EQUIPMENT

AccuCut Die-Cutting Machine

Cut letters, shapes and symbols out of paper/card stock using wooden dies.

Coding & Programming Equipment

Use the equipment to learn basic coding and programming skills. Equipment includes Raspberry Pi computer, Arduino Uno, DIY developer kit, littleBits, Snap Circuits, LEGO EV3 robot and a programmable robotic arm.

Cricut Maker

Cut, score and write on a variety of materials.

- Cutting size is 12" x 12" and up to 12" x 24". See a staff member for a complete list of approved materials.

Cuttlebug

Emboss paper and card stock.

Embroidery Machine: Brother PR1000E*

Stitch designs with up to 10 colors without changing thread.

- Create your own embroidery designs using Floriani embroidery software.
- Choose from four hoop sizes as well as a hat hoop.
- See the list of materials for purchase below for thread cost and color selection.

Heat Press

Apply heat transfers to items such as T-shirts, jackets, bags and mouse pads.

- Heat press plate size: 16" x 20"

Inkjet Printer

Print, scan and copy in standout color on sizes up to 11" x 17".

- Inkjet printers allow you to print on media such as photo paper, sticker paper, heat transfer paper and printable vinyl. You are encouraged to bring your own materials to print on.

Large Format Printing

Prints documents 24" inches across and any size in length on heavy-duty paper.

- PDF and JPEG files

Laser Engraver/Cutter

Perform high-quality engraving and cutting of wood, acrylics and more. See a staff member for a complete list of approved materials.

Epilog Fusion Edge – 50-watt
Bed area: 24" x 24"

Epilog 18 Mini – 30-watt
Bed area: 18" x 12"

Mat Cutter

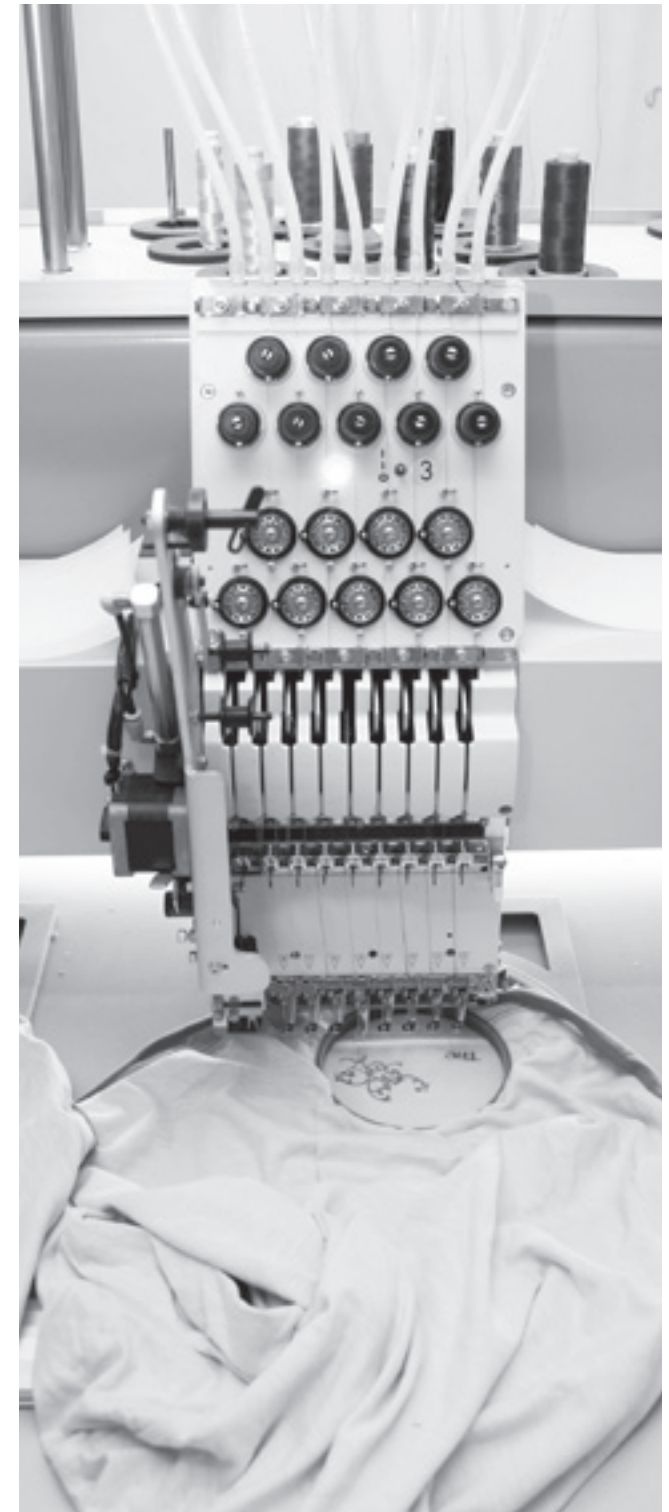
Use a blade against a straight edge to cut mats for frames, thick card stock and other materials.

- Cut a straight or beveled edge.

Sewing Machine: Singer Heavy Duty

The machine's 23 built-in stitches – including basic, stretch, decorative and buttonhole – allow you to sew a variety of projects.

*** Users are required to attend a basics class for the embroidery machine, laser cutter, and CNC prior to individual use.**





ShopBot Desktop CNC*

Cut, engrave and carve on wood and acrylic materials.

- Machine cutting bed: 18" x 24" x 3.5"
- You will need a drill and bits to operate this machine, and you can check out these items from the information desk.
- Approved materials: wood and acrylic

Sublimation Printer

Decorate on many substrates, including polyester fabrics and poly-coated materials like wood, tile, mugs, acrylic and glass.

- Sublimation paper is available for purchase. See the list of materials for purchase below.

3D Printing / MakerBot Replicator+ / MakerBot 5th Generation

- Printing area: 9.9" l x 7.8" w x 5.9" h

Parma-Snow Branch – Makerbot Replicator+

Printing area = 11.6 X 7.6 X 6.5 inches

Garfield Heights and Mayfield Branch – Makerbot 5th Gen Replicator

Printing Area: 9.9" l x 7.8" w x 5.9" h

- You must submit an STL file via the online form at cuyahogalibrary.org/innovate.
- Filament is vegetable-based PLA (polylactic acid). See the list of materials for purchase below for cost and colors.

Vinyl Cutter

Cut precision graphics and create large format signs, labels, iron-on decals and other items.

- Roland CutStudio software is available. The machine cuts materials 24" across.

Wacom Digital Drawing Tablets

Use this digital drawing tablet's stylus in place of a mouse to create drawn graphics.

** Users are required to attend a basics class for the embroidery machine, laser cutter, and CNC prior to individual use.*

EQUIPMENT BY LOCATION	Garfield Heights Branch	Mayfield Branch	Parma-Snow Branch
AccuCut die-cutting machine			✓
Coding and programming equipment, robotic arm		✓	
Cricut Maker	✓	✓	✓
Cuttlebug			✓
Embroidery machine	Brother PR1000E		
Heat press	✓	✓	✓
Inkjet printer	✓	✓	✓
Large format printer		✓	✓
Laser engraver/cutter	Epilog Fusion Edge / 24" x 24"	Epilog 18 Mini / 18" x 12"	✓
Mat cutter			✓
Sewing machine	✓	✓	✓
ShopBot desktop CNC			✓
Sublimation printer	✓		✓
3D printing (3D print pickup also available at South Euclid-Lyndhurst Branch)	✓	✓	✓
Vinyl cutter	✓		✓
Wacom digital drawing tablets	✓	✓	✓

MATERIALS FOR PURCHASE

The following items are available for purchase at our Innovation Center locations. Colors are subject to change based on availability. We also encourage you to bring your own approved materials for use.

Baltic birch plywood

\$5 per sheet

Sizes:

12" x 12" x 1/8"

12" x 12" x 1/4"

12" x 12" x 1/2"

GreenStar outdoor calendared vinyl

\$0.10 per linear inch, \$1 minimum

Colors: white • bubble gum • sapphire blue • lime tree green • true green • black • silver • gold • sunflower • real red • merlot • orange

Siser EasyWeed heat transfer vinyl

\$0.50 per linear inch, \$1 minimum

Colors: white • black

Embroidery thread

\$ 0.10 per 1,000 stitches, \$1 minimum

Machine will display stitch count

3D printing/PLA filament

\$0.10 per gram, \$1 minimum

Colors: red • blue • evergreen • yellow • gold • black • white • silver • tan • natural clear • glow in the dark • pink • brown • purple.

Sublimation printing

\$1 per 8.5" x 11" sheet

Inkjet printing

\$0.35 per page

Large format printing

\$0.50 per linear for color or black and white, up to 24" wide
\$1 minimum

